

HOLMES & LARSEN, INC.

ENGINEERS-CONSTRUCTORS

CLASSIFIED INFORMATION

TO: D. L. Narver, Jr.,

JOB: 884 O/S 7003

FROM: H. L. Dietze

RE: Station 1341 Elevation Change.

DATE: 30 October 1953

Survey

Elevations of structures on Site Charlie were based on the level datum adopted during the High Tide Line Survey of the island. The elevations of the footings of Station 1341, Site Delta was based on the datum adopted for Sites Able and Baker during the High Tide Line Surveys of those islands.

The Survey Department did not check the interrelation of the elevation data until after the floor slab of Station 1341 was formed and the re-inforcing was being placed. Since construction was far advanced on Site Charlie, the datum on that island was adopted for Site Able and Baker. This resulted in a 1.3 foot discrepancy between the elevation of Station 1341 and the elevation of structures on Site Charlie.

Tide observations subsequent to the above indicate that the Site Able and Baker datum is correct and that of Site Charlie is in error. The cause of the discrepancy was the location of the tide guage in an area where the water level is seriously affected by the formation of a reef.

The remainder of the islands on Bikini on which structures requiring an elevation relationship are located, have been placed on a single adopted datum extended by level circuits. This eliminates the possibility of any further discrepancies.

H. L. Dietze
H. L. Dietze,
Resident Engineer.

HLD:hw

cc: HO Chrono
HO Central
OS Chrono
OS Central
OS Engr.
Survey (2)

REPOSITORY NATIONAL ARCHIVES
PACIFIC SOUTHWEST REGION
COLLECTION RG 326 ATOMIC ENERGY COMMISSION
BOX No. 199624 (#608) A16334 326-65V0170
SURVEYS
FOLDER AUGUST 1, 1953 ON

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
REVIEW AUTHORITY	DETERMINATION (CIRCLE NUMBER(S))
NAME: <i>W. J. ...</i>	1. CLASSIFICATION RETAINED
DATE: <i>7/23/94</i>	2. CLASSIFICATION CHANGED TO:
	3. CONTAINS NO DOE CLASSIFIED INFO
	4. COORDINATE WITH:
	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED

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